

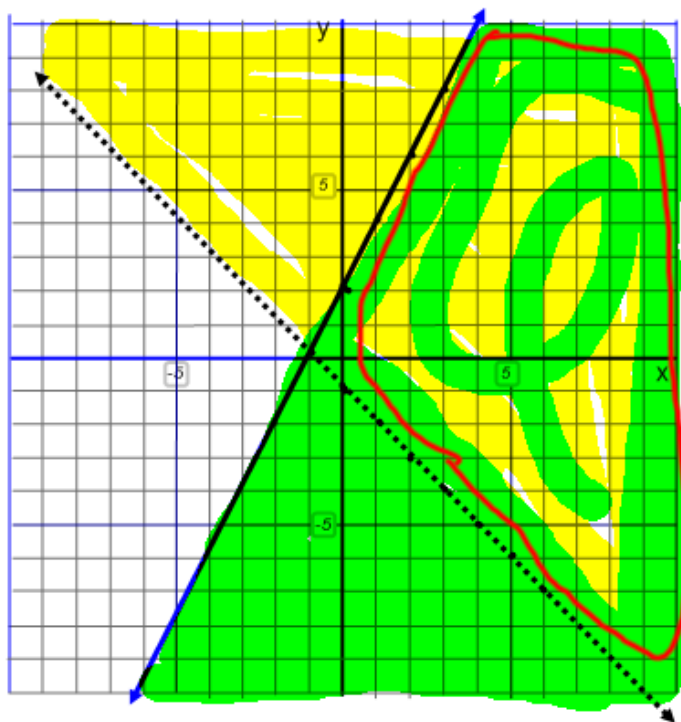
Name: _____ Date: _____ Period: _____

$y = mx + b$ Slope-Intercept Form $m = \frac{\text{Rise}}{\text{Run}}$ $(0, b)$

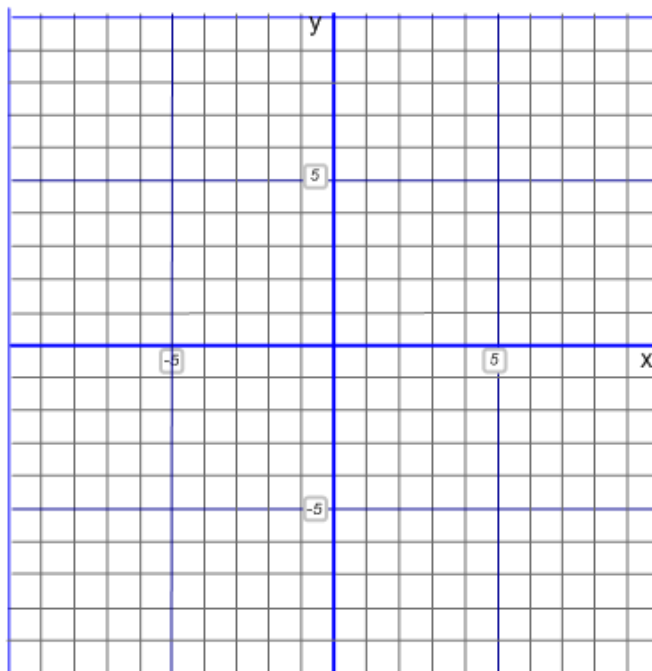
Plot the systems of inequalities & shade the solution.

Classwork

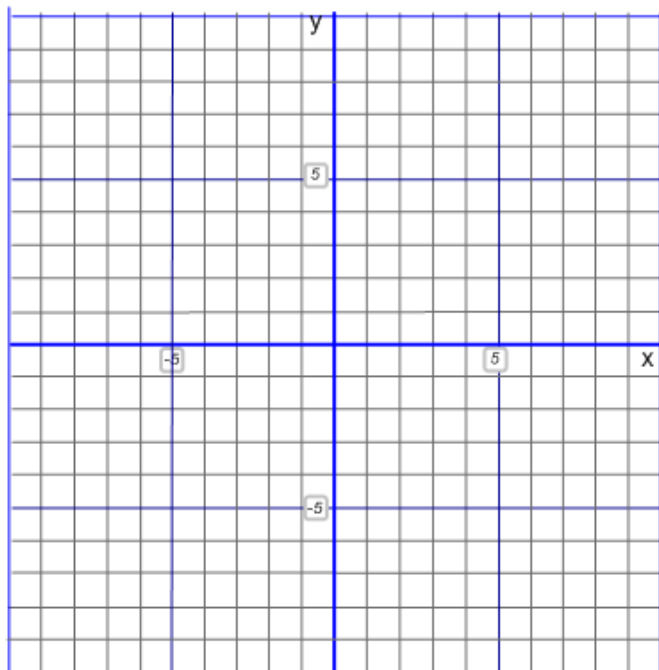
1. $y > -x - 1$ Dotted Line Shaded Up
 $y \leq 2x + 2$ Solid Line Shaded Down



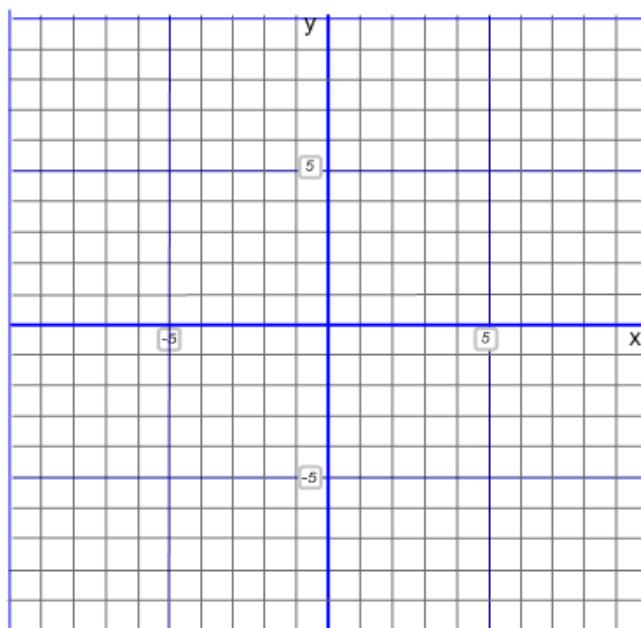
2. $y < -x + 8$ _____
 $y \geq 2x - 7$ _____



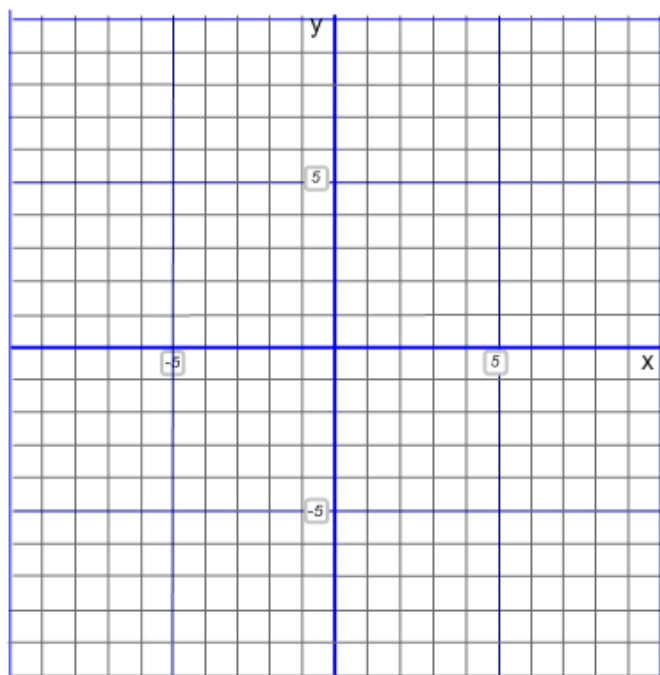
3. $y < 3x + 1$ _____
 $y \leq -x + 5$ _____



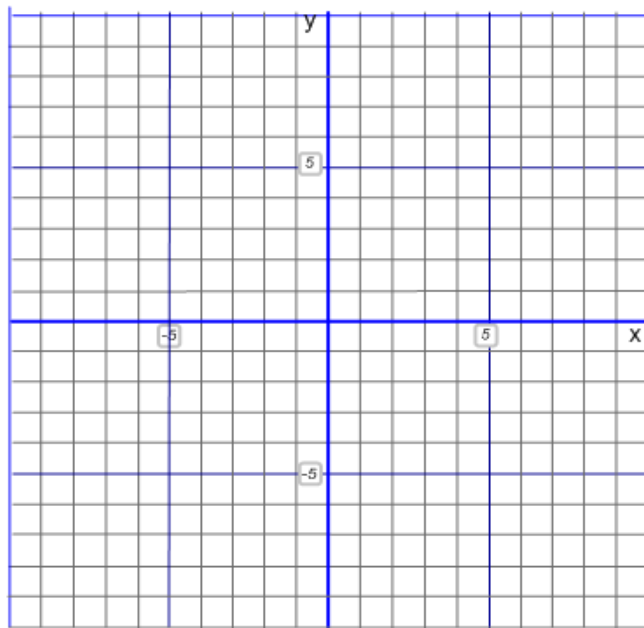
4. $y \geq x - 6$ _____
 $y > \frac{1}{2}x - 7$ _____



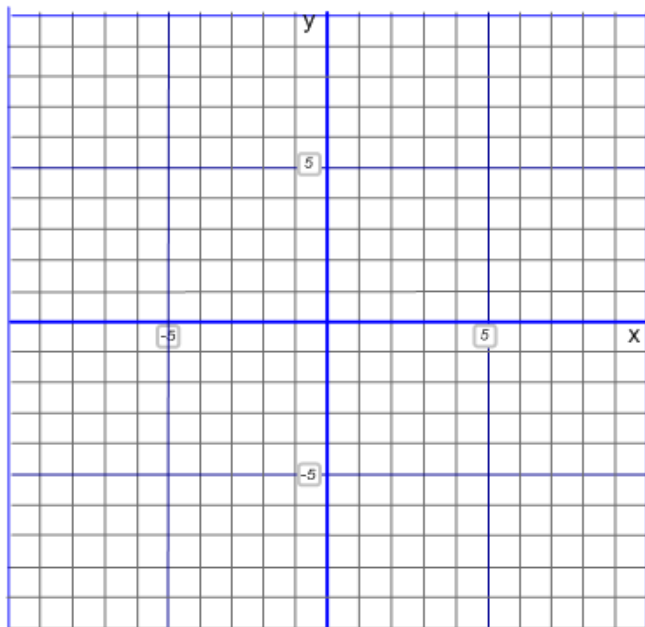
5. $y > 4x - 2$ _____
 $y \leq -x - 7$ _____



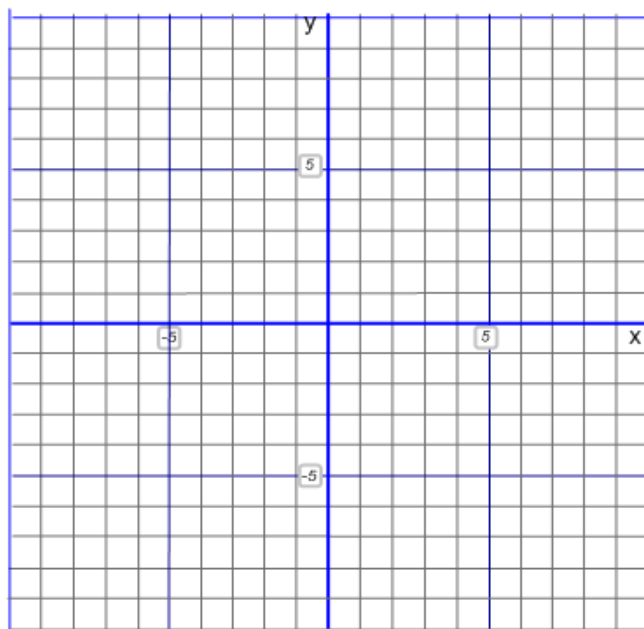
6. $y > x - 9$ _____
 $y < -x + 7$ _____



7. $y > 2x + 1$ _____
 $y < 3x$ _____



8. $y < \frac{1}{2}x + 3$ _____
 $y > \frac{3}{2}x + 5$ _____



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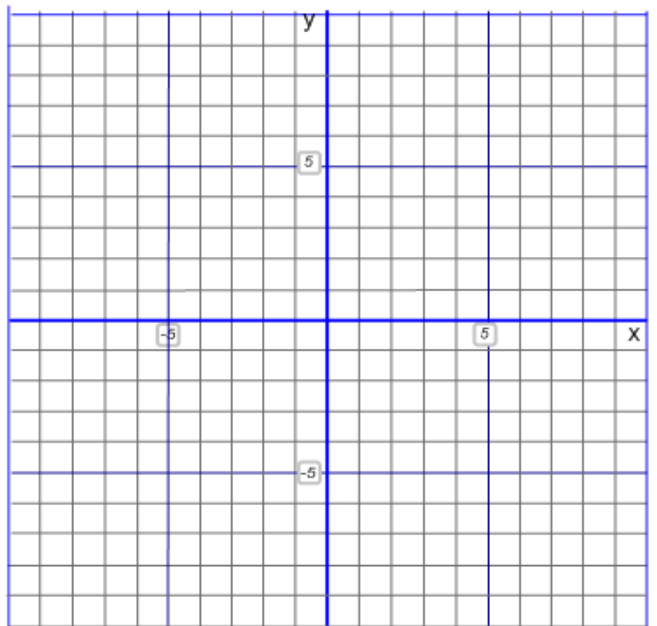
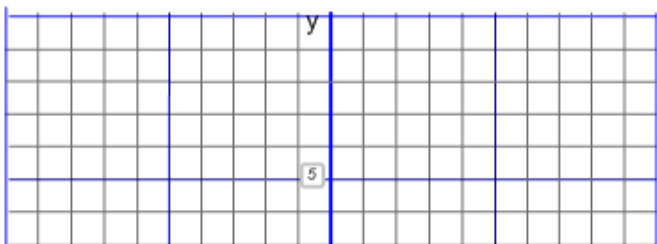
Plot the systems of inequalities & shade the solution.

Homework

1.

$$y < 3x$$

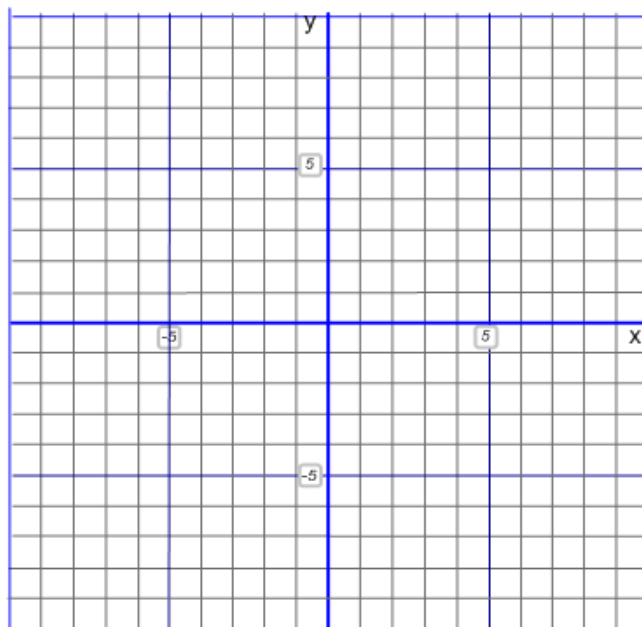
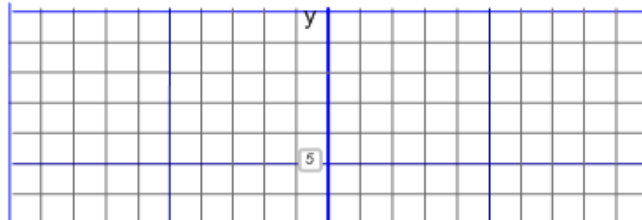
3.



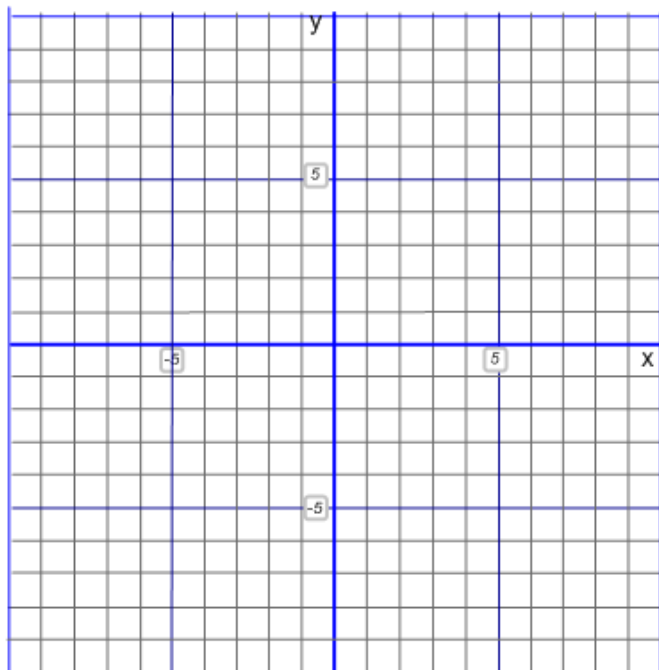
2.

$$\begin{aligned} y &= -x + 8 \\ y &= 2x - 7 \end{aligned}$$

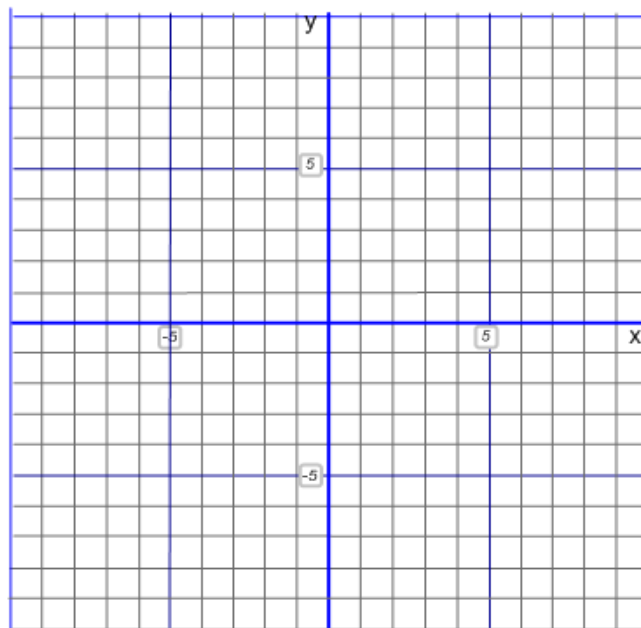
4.



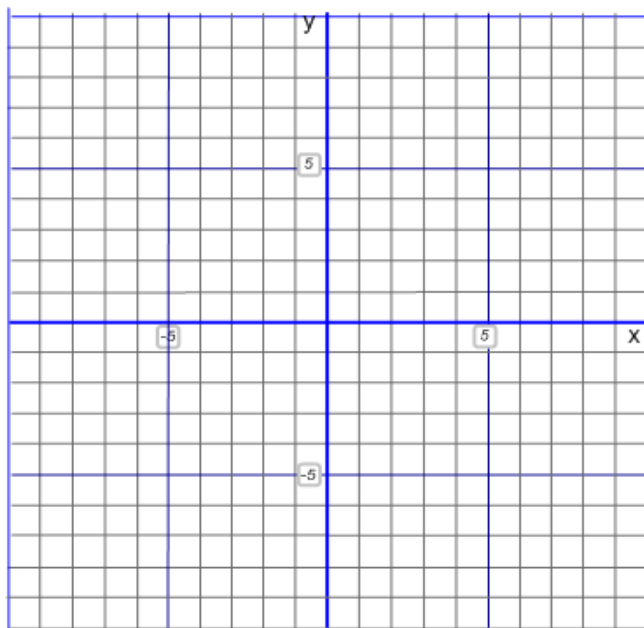
5. $y < -3x + 5$ _____
 $y > 2x - 10$ _____



6. $y \leq x - 7$ _____
 $y \geq -x + 4$ _____



7. $y \geq -2x - 1$ _____
 $y < 4x$ _____



8. $y \leq -x + 3$ _____
 $y > \frac{1}{2}x - 2$ _____

